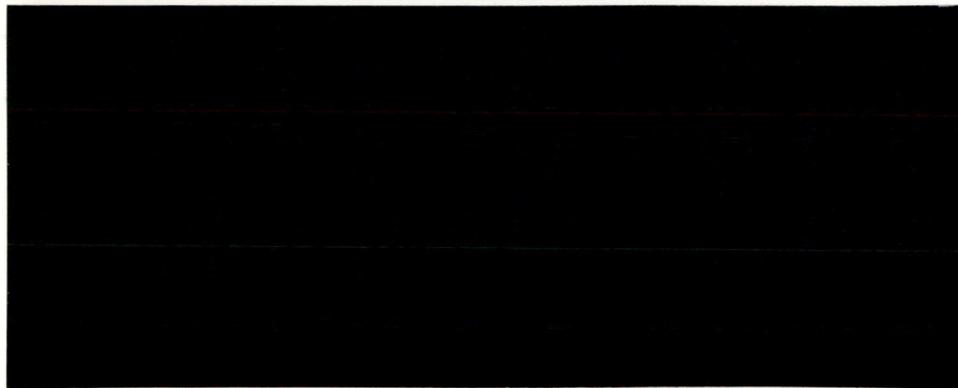
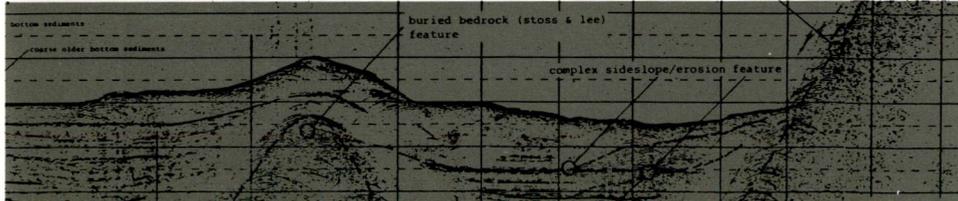
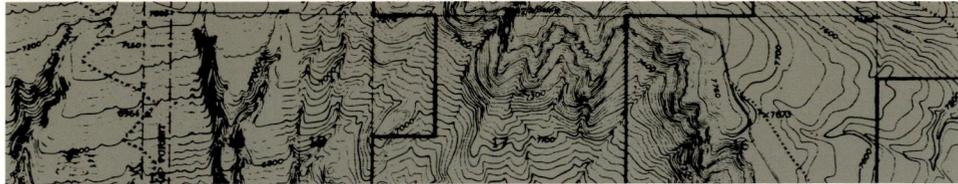
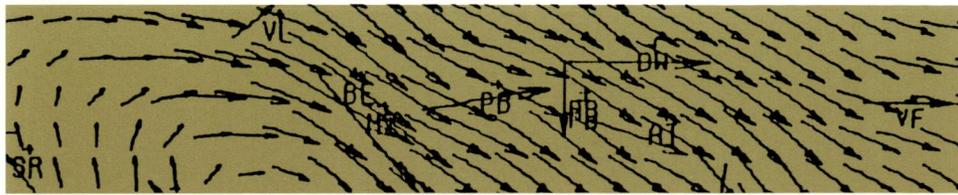


WA 0342

9-12-90

176



DAMES & MOORE

USEPA RCRA



3059267

FINAL CLEAN UP ACTIVITIES AGENCY
CLOSURE CERTIFICATION FOR BUILDING 5
COLUMBIA BUSINESS CENTER
VANCOUVER, WASHINGTON

SEPTEMBER 12, 1990
JOB # 17809-001-005

 **DAMES & MOORE**

PORTLAND, OREGON



DAMES & MOORE

A PROFESSIONAL LIMITED PARTNERSHIP

1750 S.W. HARBOR WAY, SUITE 400, PORTLAND, OREGON 97201 (503) 228-7688
FAX NO. (503) 223-6083

September 12, 1990

U. S. Environmental Protection Agency
Region 10
RCRA Compliance Section
1200 Sixth Avenue
Seattle, Washington 98101

Attention: Mr. David Tetta

Final Clean up Activities and
Closure Certification for Building 5
Columbia Business Center
Vancouver, Washington

Dear Mr. Tetta:

Dames & Moore submits this final closure activity report and closure certification letter to be attached to the Closure Plan and Cost Estimate for the Waste Disposal Area-Building 5, Columbia Business Industrial Park, Vancouver, Washington dated October 31, 1988. This final closure activity report summarizes the cleanup effort recently concluded by Dames & Moore for Hillman Properties Northwest at Building 5. Included in this second addendum is certification of closure by a registered professional engineer. The closure plan to which this second addendum is to be attached was written pursuant to and in partial satisfaction of a Consent Agreement and Final Order of the EPA, Docket No. 1088-01-01-3008, between Hillman Properties NW, Inc. and the EPA. Please refer to the Closure Plan for background information.

Cleanup activities conducted prior to 1990 are summarized in Section 1.2.2 Cleanup Activities to Date of the Closure Plan. The most recent phased cleanup effort was accomplished by Dames & Moore in three steps between the initial excavation of April 24, 1990 and the final excavation of May 1, 1990. Initial excavation targets were identified in a preliminary soil sampling effort (conducted February 7 and 8, 1990) of the sampling grid previously established at the site by AGI. Soil samples were collected from each of the nine gridded locations identified in the Closure Plan (see Section 1.5.3.2 Closure Sample Collection and Analysis). Soil samples were collected from four depth intervals (0.5-1 feet, 1-3 feet, 3-6 feet, and 6-10 feet).

Based upon the analytical results of these preliminary soil samples, a second phase of soil sampling was conducted March 14, 1990 to further define the extent of lead contamination from samples which exceeded the defined action levels (see section 1.5.4, Comparison of Background Values to Waste Data Area). This second phase of soil sampling included coring through the concrete flooring to sample soil beneath Building 5, near the abandoned dry well.

U.S. Environmental Protection Agency
August 28, 1990
Page 2

The third phase of cleanup involved initial excavation of grids C-1 and C-3 (see Figure 11, Closure Plan). Based on the previously conducted soil sampling, excavation of grid C-1 was taken to 12 feet in depth while grid C-3 was exhumed to three feet. Following each excavation, confirmation samples of the floor and walls were collected. If the floor and/or walls of the excavation contained lead in concentrations above background levels, further excavation ensued.

Figure 1a illustrates the final excavation limits, while Table 1a exhibits the results of the final soil sampling of the walls and floors of the excavation.

The original April 24, 1990, excavation measured 17.5 by 15 feet by 12 feet in depth. Additionally, soil was removed up to two feet inside of the walls beneath Building 5. Lead contamination found to be above action levels was identified by confirmation samples collected from the east wall of the pit. Identification of this contamination required a second round of excavation conducted April 26, 1990. This additional work extended the excavation another five feet to the east. Lead contamination identified by confirmation samples collected from the extended east wall of the enlarged excavation indicated a third round of work was required. This final excavation was completed May 1, 1990, after extending the excavation yet another five feet to the east. The majority of the excavated soil was trucked to ESI-Idaho for disposal. CEcon Corp. of Tacoma, Washington functioned as excavators. Jack Gray Transport of Gary, Indiana hauled the lead-contaminated soil to Idaho for disposal.

Over 135 cubic yards of lead-contaminated soil have been removed from behind and beneath Building 5. The majority of the excavated soil has been shipped to ESI-Idaho for disposal. A smaller amount of contaminated soil remains in two covered piles behind Building 5 awaiting disposal. The excavated pits have been back-filled with clean $\frac{3}{4}$ -inch gravel for safety.

Background lead levels behind Building 5 are now below 35 ppm. The highest concentration of lead beneath Building 5 had previously been tested at 170 ppm. This soil has since been removed and back-filled with clean gravel.

The EPA and Washington Department of Ecology have agreed to allow Hillman Properties NW to leave lead-contaminated soil found beneath Building 5 at concentrations up to 170 ppm, based upon their review of the latest revision of the state model toxic cleanup standards (see letter dated July 27, 1990). Based upon background levels, lead contamination behind and beneath Building 5 have been successfully removed. The manifests for the disposal of the soil at ESI are included in Attachment 2.



DAMES & MOORE

A PROFESSIONAL LIMITED PARTNERSHIP

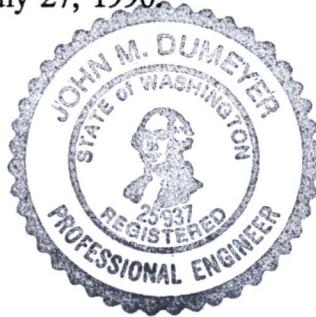
1750 S.W. HARBOR WAY, SUITE 400, PORTLAND, OREGON 97201 (503) 228-7688

FAX NO. (503) 223-6083

U.S. Environmental Protection Agency
August 27, 1990
Page 3

CERTIFICATION OF CLOSURE

Based upon my review of the pertinent closure operations, the analytical results, and the amended closure plan submitted by Hillman Properties on November 13, 1989, I certify that the area northeast of Building 5 at Columbia Business Center has been closed in accordance with the amended closure plan and with the acceptance level of 170 ppm from EPA dated July 27, 1990.



Very truly yours,

DAMES & MOORE

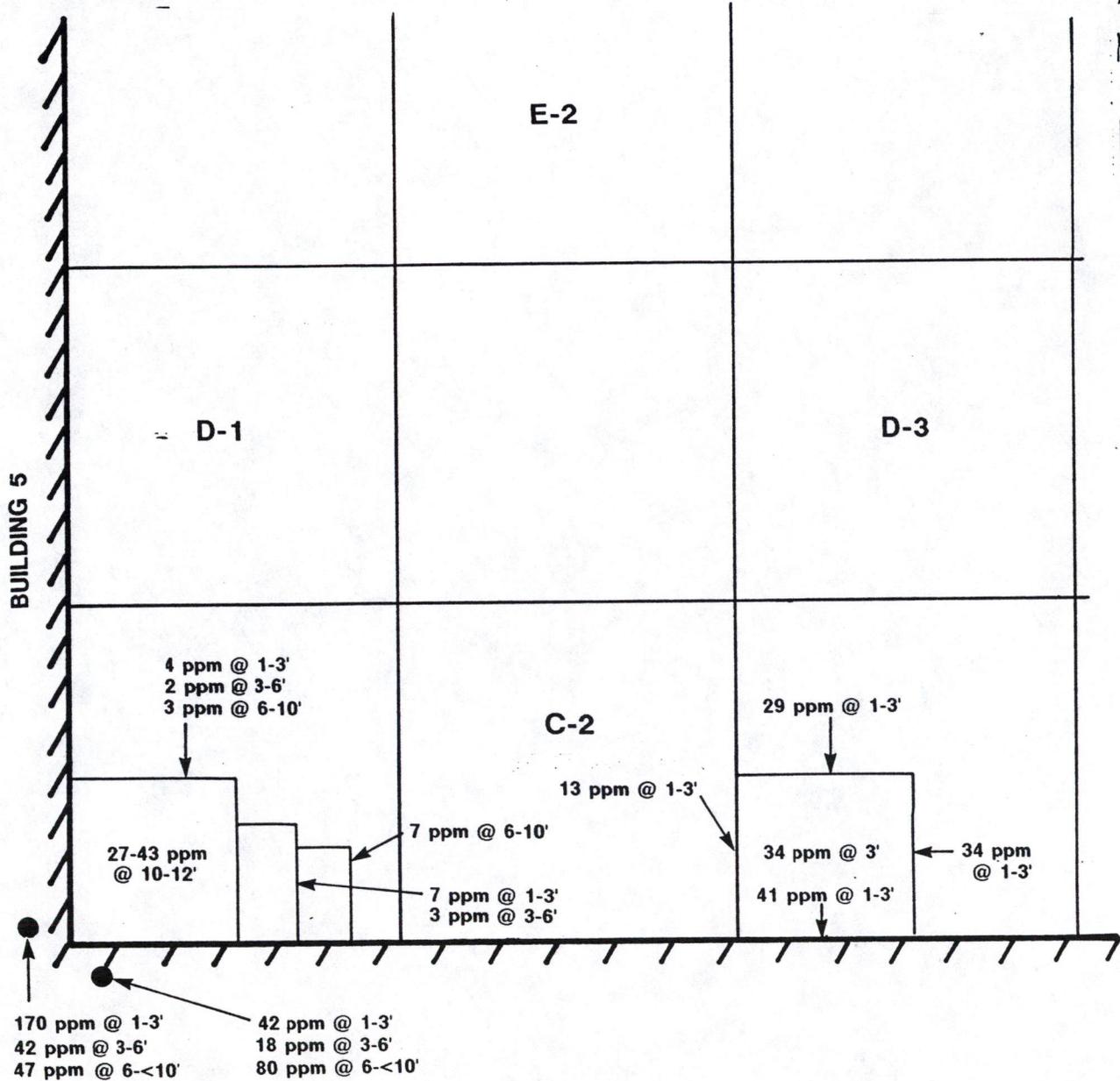
John M. Dumeyer, P.E.
Senior Environmental Engineer

Kim Marcus
Senior Geologist

Attachments Lab Results
 Manifests

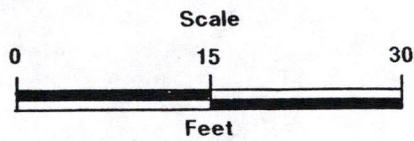
G-17809-01.09
JMD:tnb
17809-001-005

BUILDING 5



170 ppm @ 1-3'
 42 ppm @ 3-6'
 47 ppm @ 6-<10'

42 ppm @ 1-3'
 18 ppm @ 3-6'
 80 ppm @ 6-<10'



KEY:
 29 ppm @ 1-3' = 29 Parts Per Million
 Total Lead At 1-3' in Depth
 D-1 = AGI Grid Number

**FINAL SOIL SAMPLE RESULTS
 COLUMBIA BUSINESS CENTER
 BUILDING 5
 VANCOUVER, WASHINGTON**

Dames & Moore
 August, 1990

Table 1a

SAMPLE LOCATION	SAMPLE DEPTH (IN FEET)	TOTAL LEAD CONCENTRATION (IN PPM)	SAMPLE ID (ATTACHMENT 1)	DATE SAMPLED
C-1 sw corner	1-3	<10	C-1-1-B	2/8/90
	3-6	<10	C-1-1-C	"
	6-10	110	C-1-1-D	"
C-3 sw corner	1-3	130	C-3-1-B	"
	3-6	<10	C-3-1-C	"
	6-10	<10	C-3-1-D	"
C-1 composite	0.5-1	40	C-1 (comp)	"
C-3 composite	"	36	C-3 (comp)	"
C-5 composite	"	53	C-5 (comp)	"
D-2 composite	"	<10	D-2 (comp)	"
E-1 composite	"	86	E-1 (comp)	"
E-3 composite	"	18	E-3 (comp)	"
E-5 composite	"	<10	E-5 (comp)	"
F-2 composite	"	<10	F-2 (comp)	"
F-4 composite	"	<10	F-4 (comp)	"
Inside Building 5 (west)	1-3	170	C-1-B-1	3/14/90
	3-6	42	C-1-C-1	"
	6-<10	47	C-1-D-1	"
Inside Building 5 (south)	1-3	42	C-1-B-4	"
	3-6	18	C-1-C-4	"
	6-<10	80	C-1-D-4	"
C-1 north of sw corner	1-3	100	C-1-B-2	"
	3-6	12	C-1-C-2	"
	6-<10	150	C-1-D-2	"
C-1 east of sw corner	1-3	59	C-1-B-3	"
	3-6	140	C-1-C-3	"
	6-<10	600	C-1-D-3	"
C-3 west of sw corner	1-3	55	C-3-B-1	"
C-3 north of sw corner	"	55	C-3-B-2	"
C-3 east of sw corner	"	90	C-3-B-3	"
C-3 south of sw corner	"	110	C-3-B-4	"
C-1 north wall	1-3	4	SS-C1-1	4/24/90
	3-6	2	SS-C1-3	"
	6-10	3	SS-C1-5	"

Table 1a

SAMPLE LOCATION	SAMPLE DEPTH (IN FEET)	TOTAL LEAD CONCENTRATION (IN PPM)	SAMPLE ID (ATTACHMENT 1)	DATE SAMPLED
C-1 east wall	1-3	690	SS-C1-2	"
	3-6	99	SS-C1-4	"
	6-10	580	SS-C1-6	"
C-1 floor	12	27	SS-C1-7	"
	10-12	43	SS-C1-8	"
C-3 north wall	1-3	29	SS-C3-1	"
C-3 east wall	"	34	SS-C3-2	"
C-3 south wall	"	41	SS-C3-3	"
C-3 west wall	"	13	SS-C3-4	"
C-3 floor	3	34	SS-C3-5	"
C-1 east wall	1-3	7	SS-C1E-1	4/26/90
	3-6	3	SS-C1E-2	"
	6-10	290	SS-C1E-3	"
C-1 floor	10-14	36	SS-C1E-4	"
C-1 east wall	6-10	7	SS-C1EE-1	5/1/90
C-1 floor	10	15	SS-C1EE-2	"
	10-12	16	SS-C1EE-3	"

4/26/90 Sampling = 2nd EXCAV Bldg 5
JMA 1st EXCAV Bldg 37



9405 S.W. Nimbus Ave. Beaverton, OR 97005 (503) 644-0660
FAX # (503) 644-2202

April 30, 1990

Dames & Moore
1750 S.W. Harbor Way
Suite 400
Portland, OR 97205

Attn: Jim Anderson

Re: JQB #17809-001
PEL #90-1132

Enclosed is the lab report for your samples which were received on April 26, 1990.

I. Sample Description

Eight Soil Samples

The samples were received under a chain of custody.

The samples were received in containers consistent with EPA protocol.

II. Quality Control

No project specific QC was requested. In-house QC data is available upon request.

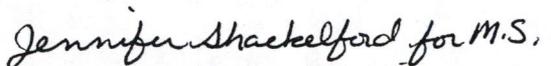
III. Analytical Results

Test methods may include minor modifications of published methods such as detection limits or parameter lists. Solid and waste samples are reported on an "as received" basis unless otherwise noted.

Compounds not detected are listed under results as ND.

Sincerely,


Howard Holmes
Lab Manager

 for M.S.
Margret Schuch
Chemist



PEL REPORT NUMBER: 90-1132
 CLIENT: Dames & Moore
 JOB REFERENCE: 17809-001
 DATE: April 30, 1990
 ITEMS: Eight Soil Samples

METHOD: Total Metals per EPA 3050, 7420
 Results in mg/kg (ppm)

	<u>Sample I.D.</u>	<u>Lead</u>
Bldg 39	SS-39-1	8,200
	SS-39-2	3,000
	SS-39-3	8,300
	SS-39-4	960
Bldg 5	SS-CIE-1	7.0
	SS-CIE-2	3.0
	SS-CIE-3	290
	SS-CIE-4	36
	Lab Blank	ND
	Detection Limit	1



9405 S.W. Nimbus Ave. Beaverton, OR 97005 (503) 644-0660
FAX # (503) 644-2202

April 26, 1990

Dames & Moore
1750 SW Harbor Way, Suite 400
Portland, OR 97205

Attn: Kim Marcus

Re: PEL #90-1106
JOB #17809-005

Enclosed is the lab report for your samples which were received on April 24, 1990.

I. Sample Description

Thirteen Soil Samples

The samples were received under a chain of custody.

The samples were received in containers consistent with EPA protocol.

II. Quality Control

No project specific QC was requested. In-house QC data is available upon request.

III. Analytical Results

Test methods may include minor modifications of published methods such as detection limits or parameter lists. Solid and waste samples are reported on an "as received" basis unless otherwise noted.

Compounds not detected are listed under results as ND.

Sincerely,

A handwritten signature in cursive script that reads "Howard Holmes".

Howard Holmes
Lab Manager

A handwritten signature in cursive script that reads "Margret Schuch".

Margret Schuch
Chemist



PEL REPORT NUMBER: 90-1106
CLIENT: Dames & Moore
JOB REFERENCE: 17809-005
DATE: April 26, 1990
ITEMS: Thirteen Soil Samples

METHOD: Total Metals per EPA 3050, 7420
Results in mg/kg (ppm)

<u>Sample I.D.</u>	<u>Lead</u>
SS-C1-1	3.9
SS-C1-2	690
SS-C1-3	2.0
SS-C1-4	99
SS-C1-5	3.0
SS-C1-6	580
SS-C1-7	27
SS-C1-8	43
SS-C3-1	29
SS-C3-2	34
SS-C3-3	41
SS-C3-4	13
SS-C3-5	34
Lab Blank	ND
Detection Limit	1



9405 S.W. Nimbus Ave. Beaverton, OR 97005 (503) 644-0860
FAX # (503) 644-2202

May 3, 1990

Dames & Moore
1750 S.W. Harbor Way
Suite 400
Portland, OR 97205

Attn: Jim Anderson

Re: JOB #17809-001
PEL #90-1174

Enclosed is the lab report for your samples which were received on May 1, 1990.

I. Sample Description

Eight Soil Samples

The samples were received under a chain of custody.

The samples were received in containers consistent with EPA protocol.

II. Quality Control

No project specific QC was requested. In-house QC data is available upon request.

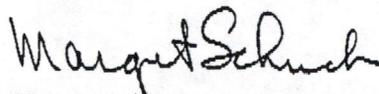
III. Analytical Results

Test methods may include minor modifications of published methods such as detection limits or parameter lists. Solid and waste samples are reported on an "as received" basis unless otherwise noted.

Compounds not detected are listed under results as ND.

Sincerely,


Howard Holmes
Lab Manager


Margret Schuch
Chemist

Page 2 of 2



PEL REPORT NUMBER: 90-1174
 CLIENT: Dames & Moore
 JOB REFERENCE: 17809-001
 DATE: May 3, 1990
 ITEMS: Eight Soil Samples

METHOD: Total Metals per EPA 3050, 7420
 Results in mg/kg (ppm)

<u>Sample I.D.</u>	<u>Lead</u>
SS-392-1	19
SS-392-2	300
SS-392-3	680
SS-392-4	980
SS-392-4T	470
Bldg 5 { SS-CIEE-1	7
SS-CIEE-2	15
SS-CIEE-3	16
Lab Blank	ND
Detection Limit	1

METHOD: E.P. Toxicity per EPA 1310, 7420
 Results in mg/L (ppm)

<u>Sample I.D.</u>	<u>Lead</u>
SS-392-1	ND
SS-392-2	ND
SS-392-3	1.1
SS-392-4	1.3
SS-392-4T	0.1
Lab Blank	ND
Detection Limit	0.1



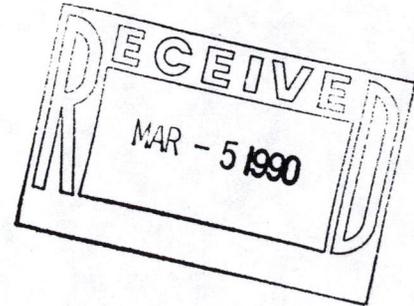
Analytical **Technologies, Inc.**

560 Naches Avenue, S.W., Suite 101, Renton, WA 98055, (206) 228-8335

2/7-8/90 Sampling = AGI grid sampling
JMA/Mark O.

ATI I.D. # 9002-036

March 1, 1990



Dames & Moore
1750 S.W. Harbor Way
Suite 400
Portland, OR 97201

Attention : John Duymeyer

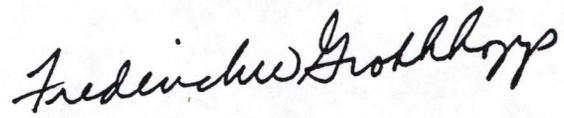
Project Number : 17809-001

Project Name : Hillman Columbia Center

On February 9, 1990 Analytical Technologies, Inc. received 8 water samples and 42 soil samples for analysis. The samples were analyzed with EPA methodology or equivalent methods as specified in the attached analytical schedule. The results, sample cross reference, and the quality control data are enclosed.


Donna M. McKinney
Project Manager

FWG/pes


Frederick W. Grothkopp
Technical Manager



SAMPLE CROSS REFERENCE SHEET

CLIENT : DAMES & MOORE
PROJECT # : 17809-001
PROJECT NAME : HILLMAN COLUMBIA CENTER

ATI #	CLIENT DESCRIPTION	DATE SAMPLED	MATRIX
9002-036-1	AGI-1	02/08/90	WATER
9002-036-2	AGI-2	02/08/90	WATER
9002-036-3	AGI-3	02/08/90	WATER
9002-036-4	AGI-3D	02/08/90	WATER
9002-036-5	DM-D1	02/08/90	WATER
9002-036-6	DM-T1	02/08/90	WATER
9002-036-7	CT-3	02/08/90	WATER
9002-036-8	CT-4	02/08/90	WATER
9002-036-9	C-1-1-A	02/07/90	SOIL
9002-036-10	C-1-2	02/07/90	SOIL
9002-036-11	C-1-3	02/07/90	SOIL
9002-036-12	C-1-4	02/07/90	SOIL
9002-036-13	C-1-1-B	02/07/90	SOIL
9002-036-14	C-1-1-C	02/07/90	SOIL
9002-036-15	C-1-1-D	02/07/90	SOIL
9002-036-16	C-3-1-A	02/07/90	SOIL
9002-036-17	C-3-2	02/07/90	SOIL
9002-036-18	C-3-3	02/07/90	SOIL
9002-036-19	C-3-4	02/07/90	SOIL
9002-036-20	C-3-1-B	02/07/90	SOIL
9002-036-21	C-3-1-C	02/07/90	SOIL
9002-036-22	C-3-1-D	02/07/90	SOIL
9002-036-23	C-5-1	02/07/90	SOIL
9002-036-24	C-5-2	02/07/90	SOIL
9002-036-25	C-5-3	02/07/90	SOIL
9002-036-26	C-5-4	02/07/90	SOIL
9002-036-27	D-2-1	02/07/90	SOIL
9002-036-28	D-2-2	02/07/90	SOIL
9002-036-29	D-2-3	02/07/90	SOIL
9002-036-30	D-2-4	02/07/90	SOIL
9002-036-31	E-1-1	02/07/90	SOIL
9002-036-32	E-1-2	02/07/90	SOIL
9002-036-33	E-1-3	02/07/90	SOIL
9002-036-34	E-1-4	02/07/90	SOIL
9002-036-35	E-3-1	02/07/90	SOIL
9002-036-36	E-3-2	02/07/90	SOIL
9002-036-37	E-3-3	02/07/90	SOIL
9002-036-38	E-3-4	02/07/90	SOIL
9002-036-39	E-5-1	02/07/90	SOIL
9002-036-40	E-5-2	02/07/90	SOIL

CONTINUED

SAMPLE CROSS REFERENCE SHEET

CLIENT : DAMES & MOORE
 PROJECT # : 17809-001
 PROJECT NAME : HILLMAN COLUMBIA CENTER

ATI #	CLIENT DESCRIPTION	DATE SAMPLED	MATRIX
9002-036-41	E-5-3	02/07/90	SOIL
9002-036-42	E-5-4	02/07/90	SOIL
9002-036-43	F-4-1	02/07/90	SOIL
9002-036-44	F-4-2	02/07/90	SOIL
9002-036-45	F-4-3	02/07/90	SOIL
9002-036-46	F-4-4	02/07/90	SOIL
9002-036-47	F-2-1	02/07/90	SOIL
9002-036-48	F-2-2	02/07/90	SOIL
9002-036-49	F-2-3	02/08/90	SOIL
9002-036-50	F-2-4	02/08/90	SOIL
9002-036-51	C-1 (COMP)	02/09/90	SOIL
9002-036-52	C-3 (COMP)	02/09/90	SOIL
9002-036-53	C-5 (COMP)	02/09/90	SOIL
9002-036-54	D-2 (COMP)	02/09/90	SOIL
9002-036-55	E-1 (COMP)	02/09/90	SOIL
9002-036-56	E-3 (COMP)	02/09/90	SOIL
9002-036-57	E-5 (COMP)	02/09/90	SOIL
9002-036-58	E-4 (COMP)	02/09/90	SOIL
9002-036-59	F-4 (COMP)	02/09/90	SOIL

----- TOTALS -----

MATRIX	# SAMPLES
SOIL	51
WATER	8

ATI STANDARD DISPOSAL PRACTICE

The samples from this project will be disposed of in thirty (30) days from the date of this report. If an extended storage period is required, please contact our sample control department before the scheduled disposal date.

METALS RESULTS

CLIENT : DAMES & MOORE
 PROJECT # : 17809-001
 PROJECT NAME : HILLMAN COLUMBIA CENTER

MATRIX : SOIL
 UNITS : mg/Kg

ATI I.D. #	CLIENT I.D.	CADMIUM	LEAD
9002-036-13	C-1-1-B 1'-3'	<1	<10
9002-036-14	C-1-1-C 3'-6'	<1	<10
9002-036-15	C-1-1-D 6'-12'	<1	110
9002-036-20	C-3-1-B	<1	130
9002-036-21	C-3-1-C	<1	<10
9002-036-22	C-3-1-D	<1	<10
9002-036-51	C-1 (COMP) -6'-1'	<1	40
9002-036-52	C-3 (COMP)	<1	36
9002-036-53	C-5 (COMP)	1.0	53
9002-036-54	D-2 (COMP)	<1	<10
9002-036-55	E-1 (COMP)	<1	86
9002-036-56	E-3 (COMP)	<1	16
9002-036-57	E-5 (COMP)	<1	<10
9002-036-58	F-2 E-4 (COMP)	<1	<10
9002-036-59	F-4 (COMP)	<1	<10

15

C-5 D-2 E-1 F-4
 C-3 E-3 F-2
 C-1 E-5

3/14/90
Pete

Sampling = C-1 & C-3 follow up HAs



Analytical **Technologies, Inc.**

560 Naches Avenue, S.W., Suite 101, Renton, WA 98055. (206) 228-8335

ATI I.D. # 9003-069

DAMES & MOORE
SEATTLE

APR 21 1990

April 19, 1990

ROUTING PDX

Dames & Moore
1750 SW Harbor Way
Suite 400
Portland, OR 97201

Attention : Kim Marcus

Project Number : 17809-001

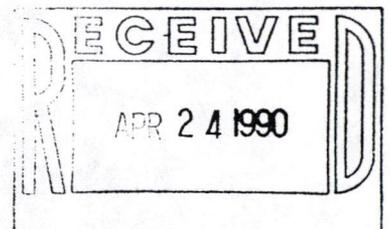
Project Name : Hillman-Columbia Business Center

On March 15, 1990 Analytical Technologies, Inc. received 16 soil samples for analysis. The samples were analyzed with EPA methodology or equivalent methods as specified in the attached analytical schedule. The results, sample cross reference, and the quality control data are enclosed.

Donna M. McKinney
Donna M. McKinney
Project Manager

FWG/elf

Donna M. McKinney for FWG
Frederick W. Grothkopp
Technical Manager



SAMPLE CROSS REFERENCE SHEET

CLIENT : DAMES & MOORE
 PROJECT # : 17809-001
 PROJECT NAME : HILLMAN-COLUMBIA BUSINESS CENTER

ATI #	CLIENT DESCRIPTION	DATE SAMPLED	MATRIX
9003-069-1	C-3 B-1	03/12/90	SOIL
9003-069-2	C-3 B-2	03/12/90	SOIL
9003-069-3	B-3 B-3	03/12/90	SOIL
9003-069-4	C-3 B-4	03/12/90	SOIL
9003-069-5	C-1 B-1	03/13/90	SOIL
9003-069-6	C-1 C-1	03/13/90	SOIL
9003-069-7	C-1 D-1	03/13/90	SOIL
9003-069-8	C-1 B-2	03/13/90	SOIL
9003-069-9	C-1 C-2	03/13/90	SOIL
9003-069-10	C-1 D-2	03/13/90	SOIL
9003-069-11	C-1 B-3	03/13/90	SOIL
9003-069-12	C-1 C-3	03/13/90	SOIL
9003-069-13	C-1 D-3	03/13/90	SOIL
9003-069-14	C-1 B-4	03/13/90	SOIL
9003-069-15	C-1 C-4	03/13/90	SOIL
9003-069-16	C-1 D-4	03/13/90	SOIL

----- TOTALS -----

MATRIX	# SAMPLES
SOIL	16

ATI STANDARD DISPOSAL PRACTICE

The samples from this project will be disposed of in thirty (30) days from the date of this report. If an extended storage period is required, please contact our sample control department before the scheduled disposal date.



METALS RESULTS

CLIENT : DAMES & MOORE MATRIX : SOIL
PROJECT # : 17809-001
PROJECT NAME : HILLMAN-COLUMBIA BUSINESS CENTER UNITS : mg/Kg

ATI I.D. #	CLIENT I.D.	LEAD
9003-069-1	C-3 B-1	55
9003-069-2	C-3 B-2	55
9003-069-3	B-3 B-3	90
9003-069-4	C-3 B-4	110
9003-069-5	C-1 B-1	170
9003-069-6	C-1 C-1	42
9003-069-7	C-1 D-1	47
9003-069-8	C-1 B-2	100
9003-069-9	C-1 C-2	12
9003-069-10	C-1 D-2	150
9003-069-11	C-1 B-3	59
9003-069-12	C-1 C-3	140
9003-069-13	C-1 D-3	600
9003-069-14	C-1 B-4	42
9003-069-15	C-1 C-4	18
9003-069-16	C-1 D-4	80

MAILING ADDRESS:
P.O. Box 16217
Boise, Idaho 83715-6217
(208) 384-1500

GENERATOR WASTE PRODUCT QUESTIONNAIRE
ENVIROSAFE SERVICES OF IDAHO, INC.

FACILITY ADDRESS
10 1/2 Miles NW Grandview
Missile Base Road
Grandview, Idaho 83624

U.S. EPA ID. Number IDD073114654

NEW RENEWAL

SECTION A - GENERATOR DATA

Generator COLUMBIA BUSINESS CENTER
Address 2501 SE COLUMBIA WAY #240
City/State VANCOUVER WA ZIP 98661
Tech. Contact CHRISTINE WAMSLY TEL 206-693-3644
U.S. EPA IDENTIFICATION NUMBER
WA D 9 8 0 9 7 9 7 5 1

Envirosafe Services Only

Application #

PCN

CUST #

DIRECT ACES
 BILLING
 BROKER

Sales Zone Code

TAX YES NO

Cell 5 Waste

MANIFEST CERTIFICATION REQUIRED

Billing/Broker NORTHWEST ENVIROSERVICE INC.
Address 1700 AIRPORT WAY S.
City/State SEATTLE WA ZIP 98134
Billing Contact DENNIS K. McANULTY TEL 206-622-1090

SECTION B - WASTE CHARACTERIZATION

1. Common Name for This Waste: LEAD CONTAMINATED SOIL
2. Process Generating This Waste: SITE REMEDIATION
3. Annual Quantity: Tons Yards Gallons 3.1 20 Drums
(Annual Quantity)
4. Shipment Duration:
 Permanent (1 Year or Longer)
 Temporary (Less Than 1 Year)
5. Shipment Mode:
 Bulk Palletized Boxes Woven Cloth Bags Metal Drums
 Other:

SECTION C - PHYSICAL PROPERTIES

As Shipped To ESII

1. Is waste shipped different than waste as produced at initial point of generation? YES NO
If yes, must include Attachment A to describe waste as initially generated.

2. Describe physical state at 70°F
 Dry Solid Damp Solid Powder Semi-Solid/Gel Flowable Liquid Labpack
 Other

3. Describe Load Bearing Strength at 70°F: Solid/Rigid Sludge Weak/None
3.1 Penetrometer PSI: NA.
3.2 % Solids @105°C: 100

4. Describe Physical Appearance of Waste (Include Color): BROWN SOIL
5. Apparent Density of Waste: 2200 Lb./Cu. Yard

6. Flash Point: <70°F 70-100°F 101-140°F 141-200°F >200°F N.A. °F
6.1 Actual Flash Pt: N.A. °F 6.2 Combustible: Yes No

7. pH Range (50% Slurry in Distilled Water for Solid) 4-10
7.1 Actual pH (S.U.): 8

8. Describe Odor of Waste:
 None Slight Strong
Describe

9. Viscosity (Liquids): Similar to
 Water Motor Oil Honey
 Other NA.

10. Debris in Waste:
 Yes No Describe ROCKS, WOOD ETC.

11. Potential for presence/Separation of incidental liquids during transport:
 Yes No

13918 D

61,500

Print or type. (Form designed for use on elite (12-pitch) typewriter.)

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. **WA D 98 09 79 75 1100001** Manifest Document No. **1**

2. Page 1 of 1 Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address
**COLUMBIA BUSINESS CENTER
2501 SE COLUMBIA WAY #240**

4. Generator's Phone (**206 693-3644**) **VANCOUVER, WA 98661**

5. Transporter 1 Company Name **JACK GRAY TRANSPORT** US EPA ID Number **11 D D O 4 2 5 3 1 8 7 3**

6. Transporter 2 Company Name _____ US EPA ID Number _____

7. Designated Facility Name and Site Address
**ENVIROSAFE SERVICES OF IDAHO, INC.
MISSILE BASE ROAD
GRANDVIEW, IDAHO 83624** US EPA ID Number **11 D D O 7 3 1 1 4 8 5 4**

8. State Manifest Document Number _____

9. State Generator's ID _____

10. State Transporter's ID _____

11. State Transporter's Phone **(206) 531-6102**

12. State Transporter's ID _____

13. State Facility's ID _____

14. Facility's Phone **(206) 384-1500**

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers		13. Total Quantity	14. Unit Wt/Vol	15. Waste No.
	No.	Type			
Hazardous waste solid			23 yd ³		
Hazard class - ORME					
EPA waste ID no. - D008					
DOT waste ID no. - NA9189					

16. Additional Descriptions for Materials Listed Above

Pen 1655 D

17. Handling Codes for Wastes Listed Above

03

18. Special Handling Instructions and Additional Information

NA

19. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name **COLUMBIA BUSINESS CENTER** Signature _____ Month Day Year **14 2 6 90**

CHRISTINE WAMSLEY *Christine Wamsley*

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name **JACK GRAY TRANSPORT** Signature _____ Month Day Year **14 2 6 90**

Patrick H. Hall *Patrick H. Hall*

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name _____ Signature _____ Month Day Year _____

19. Discrepancy Indication Space

11 b, c, d - delete **over Christine Wamsley 4-27-90 @ 10:30**

9. Missile Base Rd
10. IDO 073 114654
11a. RB Hazardous waste solid, N.O.S., ORM-E, NA9189 (D008)
12a. 1 OT 13a. delete yd³ 14a. V

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.

Printed/Typed Name **ESII** Signature _____ Month Day Year **10 12 7 90**

NANCY MARIQUETA *Nancy Mariqueta*

13918A

70,920

Print or type. (Form designed for use on elite (12-pitch) typewriter.)

UNIFORM HAZARDOUS WASTE MANIFEST	1. Generator's US EPA ID No. WAID9809797510101012	Manifest Document No. 2	2. Page 1 of 1	Information in the shaded areas is not required by Federal law.
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3. Generator's Name and Mailing Address COLUMBIA BUSINESS CENTER 2501 SE COLUMBIA WAY #240		A. State Manifest Document Number
4. Generator's Phone (206) 693-3644 VANCOUVER, WA 98661		B. State Generator's ID
5. Transporter 1 Company Name JACK GRAY TRANSPORT	6. US EPA ID Number 11ND1042534873	C. State Transporter's ID
7. Transporter 2 Company Name		D. Transporter's Phone (206) 531-6102
		E. State Transporter's ID
		F. Transporter's Phone

10. Designated Facility Name and Site Address ENVIROSAFE SERVICES OF IDAHO, INC MISSILE BASE ROAD GRANDVIEW, IDAHO 83624		10. US EPA ID Number 11DA00731114854	G. State Facility's ID	H. Facility's Phone (208) 384-1500
---	--	---	------------------------	---------------------------------------

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers		13. Total Quantity	14. Unit Wt/Vol	1. Waste No.
	No.	Type			
Hazardous waste, solid			26 yd ³		
Hazard class - ORME					
EPA waste ID no - D008					
DOT waste ID no - NA9189					

J. Additional Descriptions for Materials Listed Above PCN 1655 D	K. Handling Codes for Wastes Listed Above 03
---	---

15. Special Handling Instructions and Additional Information
NA

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

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Printed/Typed Name CHRISTINE WAMSLEY	Signature <i>Christine Wamsley</i>	Month Day Year 14/26/90
---	---------------------------------------	----------------------------

17. Transporter 1 Acknowledgement of Receipt of Materials	Signature <i>Gerald Meyer</i>	Month Day Year 16/12/61910
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18. Transporter 2 Acknowledgement of Receipt of Materials	Signature	Month Day Year
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19. Discrepancy Indication Space

9. Missile Base Rd 11b, c, d, - delete 14a. y

10. IOD 073 114 654 12a. 1 OT 13. 26

11a. RD Hazardous Waste solid, NOS, ORME, NA9189 (D008) exp. Christine Wamsley 4/27/90 @ 10:30

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.	Signature <i>Nancy Madarieta</i>	Month Day Year 10/12/90
--	-------------------------------------	----------------------------

13918B

62,000

Print or type. (Form designed for use on elite (12-pitch) typewriter.)

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. **WA1D9B097975100003** Manifest Document No. **23**

2. Page 1 of 1 Information in the shaded areas is not required by Federal law.

Generator's Name and Mailing Address
**COLUMBIA BUSINESS CENTER
2501 SE COLUMBIA WAY #240**

Generator's Phone (**206**) **693-3644** **VANCOUVER, WA 98661**

Transporter 1 Company Name **JACK GRAY TRANSPORT** 6. US EPA ID Number **11ND042534873**

Transporter 2 Company Name _____ 8. US EPA ID Number _____

Designated Facility Name and Site Address
**ENVIROSAFE SERVICES OF IDAHO, INC.
MISSILE BASE ROAD
GRANDVIEW, IDAHO 83624** 10. US EPA ID Number _____

A. State Manifest Document Number _____
B. State Generator's ID _____
C. State Transporter's ID _____
D. Transporter's Phone **(206) 531-6102**
E. State Transporter's ID _____
F. Transporter's Phone _____
G. State Facility's ID _____
H. Facility's Phone **(208) 384-1500**

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers		13. Total Quantity	14. Unit Wt/Vol	Waste No.
	No.	Type			
Hazardous waste solid			23 yd ³		
Hazard class - ORME					
EPA waste ID no. - D008					
DOT waste ID no. - NA9189					

J. Additional Descriptions for Materials Listed Above

PCN-1658-D

K. Handling Codes for Wastes Listed Above

15. Special Handling Instructions and Additional Information

NA

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

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Printed/Typed Name **COLUMBIA BUSINESS CENTER** Signature _____ Month Day Year _____

CHRISTINE WAMSLEY/Terry Stanley _____ **4/26/90**

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name **JACK GRAY TRANSPORT** Signature _____ Month Day Year _____

Martin Keith McCray _____ **4/26/90**

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name _____ Signature _____ Month Day Year _____

19. Discrepancy Indication Space

9. Missile Base Rd. **11 b, c, d - delete** Per Christine Wamsley 4/27/90 @ 10:30

10. IDO 073 114 654

11a. OR Hazardous waste solid, N.O.S., ORM-E, NA9189 (D008)

12a. 1.0T. 13a. 23 14a. Y

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.

Printed/Typed Name **ESIT** Signature _____ Month Day Year _____

NANCY MADARIETA _____ **4/27/90**

13918C

60,120

Print or type. (Form designed for use on elite (12-pitch) typewriter.)

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. **WA1D19B10971975162627**
Manifest Document No. **1**

2. Page 1 of 1 Information in the shaded areas is not required by Federal law.

Generator's Name and Mailing Address
**COLUMBIA BUSINESS CENTER
2501 SE COLUMBIA WAY #240
VANCOUVER, WA 98661**

Generator's Phone (**206 693-3644**)
Transporter 1 Company Name **JACK GRAY TRANSPORT**

Transporter 1 US EPA ID Number **11MD042153487**

Transporter 2 Company Name
Transporter 2 US EPA ID Number

Designated Facility Name and Site Address
**ENVIROSAFE SERVICES OF IDAHO, INC.
MISSILE BASE ROAD
GRANDVIEW, IDAHO 83624**

Designated Facility US EPA ID Number **11DD1073114854**

A. State Manifest Document Number

B. State Generator's ID

C. State Transporter's ID

D. Transporter's Phone **(206) 531-6102**

E. State Transporter's ID

F. Transporter's Phone

G. State Facility's ID

H. Facility's Phone **(208) 384-1000**

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers		13. Total Quantity	14. Unit Wt/Vol	Waste No.
	No.	Type			
Hazardous waste solid			234 ³		
Hazard class - ORME					
EPA waste ID no. - D008					
DOT waste ID no - NA9189					

J. Additional Descriptions for Materials Listed Above
PCN 1655D

K. Handling Codes for Wastes Listed Above
03

15. Special Handling Instructions and Additional Information
NA

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

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Printed/Typed Name **COLUMBIA BUSINESS CENTER** Signature *Christine Wansley* Month Day Year **14 12 1990**

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name **JACK GRAY TRANSPORT** Signature *Albert E. Macc* Month Day Year **14 12 1990**

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name Signature Month Day Year

19. Discrepancy Indication Space
**9. Missile Base Rd.
10. IDD 073 114 654
11a. RB Hazardous Waste solid, N.O.S., ORM-E, NA9189 (D008)
12a. DOT 139.23 14a. V**

ORPN Christine Wansley
4-27-90 @ 10:30

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.
Printed/Typed Name **ESRI** Signature *Nancy Madarieta* Month Day Year **10 19 1990**

14108

60,200

Print or type. (Form designed for use on elite (12-pitch) typewriter.)

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. WAID980979751000005 Manifest Document No.

2. Page 1 of Information in the shaded areas is not required by Federal law.

Generator's Name and Mailing Address COLUMBIA BUSINESS CENTER 2501 SE COLUMBIA WAY #240

A. State Manifest Document Number

Generator's Phone (206) 693-3644 VANCOUVER, WA 98661

B. State Generator's ID

Transporter 1 Company Name JACK GRAY TRANSPORT 11ND042534873

C. State Transporter's ID

Transporter 2 Company Name 11ND073114654

D. Transporter's Phone

E. State Transporter's ID

F. Transporter's Phone

G. State Facility's ID

Designated Facility Name and Site Address ENVIROSAFE SERVICES OF IDAHO, INC

H. Facility's Phone

MISSILE BASE ROAD GRANDVIEW, IDAHO 83624 11ND073114654

GENERATOR

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)

12. Containers No. Type 13. Total Quantity 14. Unit Wt/Vol I. Waste No.

RQ, HAZARDOUS WASTE SOLID, N.O.S., ORM-E, NA 9189 (D008)

001 DIT 1 120 Y

J. Additional Descriptions for Materials Listed Above

K. Handling Codes for Wastes Listed Above

03

15. Special Handling Instructions and Additional Information

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

Printed/Typed Name CHRISTINE WANSLEY

Signature Christine Wansley

Month Day Year 10/5/90

17. Transporter 1 Acknowledgement of Receipt of Materials Printed/Typed Name Gerald Meyers

Signature Gerald Meyers

Month Day Year 10/5/90

18. Transporter 2 Acknowledgement of Receipt of Materials Printed/Typed Name

Signature

Month Day Year

19. Discrepancy Indication Space H.G. missile base road

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19. Printed/Typed Name CAROL PRICE

Signature Carol Price

Month Day Year 11/5/90



July 27, 1990

W00

Doug Hardesty
Hillman Properties NW
2000 East Columbia Way
Building 54
Vancouver, Washington 98661

Dear Mr. Hardesty:

This letter is to transmit to you EPA's and the Washington Department of Ecology's decision on the final clean up standards for the RCRA closure work being done on building #5 in the Columbia Business Park in Vancouver, Washington. The standard was originally set at 135 ppm lead which is considered background for the site. However, EPA and Ecology have agreed to allow you to leave the lead contamination found under the building at 170 ppm. This decision was made based on our review of the latest revision of the state model toxic clean up standards. This revision proposes a standard of 500 ppm for lead in soil at industrial sites.

If you can meet these standards at your site both EPA and Ecology will consider your site to have been "clean closed".

If you have any questions contact Kay Seiler of Ecology at (206) 753-0141 or Jack Boller of EPA at (206) 753-9428).

Sincerely,

A handwritten signature in cursive script that reads "Jack Boller".

Jack Boller
RCRA Coordinator
Washington Operations Office/EPA

A handwritten signature in cursive script that reads "Kay Seiler".

Kay Seiler
Hazardous Waste Inspector
Southwest Regional Office/Ecology